



Technical Data Sheet

LCA® N6-33GFHSL1 Black

Nylon 6, 33% Glass Fiber, Heat Stabilized, Lubricated

Typical Compound Properties

Physical Properties	Value Unit	Test Methods
Rockwell Hardness (R-Scale)	121	ASTM D-785
Density	1.38 g/cm ³	ASTM D-792
Ash Content	33 %	ASTM D-5630
Mechanical Properties		
Izod Impact	2.5 ft-lb/in	ASTM D-256
Tensile Strength	26,000 psi	ASTM D-638
Flexural Modulus	1,700,000 psi	ASTM D-790
Flexural Strength	36,000 psi	ASTM D-790
Thermal Properties		
HDT (264 psi)	406 °F	ASTM D-648
Melt Point	419 - 428 °F	ASTM D-789

All tests are performed on dry as molded ASTM (ISO) test bars.

General Product Type Information

The property values listed above have been obtained using laboratory controlled test methods. They are offered without guarantee since conditions under which the product is used are beyond our control. Therefore, Uniplas, Inc. disclaims any liability for loss or damage incurred in connection with the use of this product.

Uniplas, Inc. 1145 Sutton St. Howell, MI 48843

Phone: (517) 295-4196 Fax: (517) 295-4918



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Typical Processing Conditions

Temperatures

		F
Barrel	Rear	460 - 540
	Center	480 - 560
	Front	480 - 560
	Nozzle	470 - 550
	Mold	175 - 205

Drying

Type	Dehumidifier
Temperature	175°F
Time	2 - 4 hours
Max. % Moisture	0.2

Special Requirements

Optimum processing conditions will depend on such factors as machine size, screw design, part dimension, mold design, runner and gate design, and material residence time. These recommendations are intended only as a guide to achieve stable processing and good part quality.

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